P.O. Box 1700 Jackson, MS 39215

CCR Due to MSDH & Customers by July 1, 2016!

# 2016 JUN -8 AMIGSISSIPPI STATE DEPARTMENT OF HEALTH BUREAU OF PUBLIC WATER SUPPLY CCR CERTIFICATION **CALENDAR YEAR 2015** Public Water Supply Name WS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community public water system to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. You must mail, fax or email a copy of the CCR and Certification to MSDH. Please check all boxes that apply.

Customers were informed of availability of CCR by: (Attach	copy of publication, water bill or other)
Advertisement in local paper (attach copy  On water bills (attach copy of bill)  Email message (MUST Email the messag  Other	of advertisement) e to the address below)
Date(s) customers were informed: $\sqrt{5}$ / $\sqrt{3}$	11 , 20/1 16
CCR was distributed by U.S. Postal Service or other directed used	ect delivery. Must specify other direct delivery
Date Mailed/Distributed: / /	
CCR was distributed by Email (MUST Email MSDH a copy As a URL (Provide URL As an attachment As text within the body of the email message)	
Name of Newspaper: Commerce Dispatch  Date Published: 5 /29 /2016	ished CCR or proof of publication)
CCR was posted in public places. (Attach list of locations)	Date Posted://
CCR was posted on a publicly accessible internet site at the fo	ollowing address ( <b>DIRECT URL REQUIRED</b> ):
CERTIFICATION I hereby certify that the 2015 Consumer Confidence Report (CC public water system in the form and manner identified above a the SDWA. I further certify that the information included in this the water quality monitoring data provided to the public was Department of Health, Bureau of Public Water Supply.  Name/Title (President, Mayor, Owner, etc.)	nd that I used distribution methods allowed by S CCR is true and correct and is consistent with
Deliver or send via U.S. Postal Service: Bureau of Public Water Supply	May be faxed to: (601)576-7800

May be emailed to:

water.reports@msdh.ms.gov

2016 JUN -8 AM 10: 12

#### 2015 Annual Drinking Water Quality Report Town of Artesia PWS#: 440001 May 2016

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to providing you with information because informed customers are our best allies. Our water source is from wells drawing from the Gordo Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Town of Artesia have received lower to moderate rankings in terms of susceptibility to contamination.

If you have any questions about this report or concerning your water utility, please contact Robert Ashley at 662.386.2944. We want our valued customers to be informed about their water utility. If you want to learn more, please join us at any of our regularly scheduled meetings. They are held on the first Tuesday of the month at 5:00 PM at the Artesia Community Center.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2015. In cases where monitoring wasn't required in 2015, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

TEST RESULTS											
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination			

RECEIVED-WATER SUPPLY 2016 JUN -8 AM 10: 12 Radioactive Contaminants Z 2012\* 5. Gross Alpha 1.2 .8 – 1.2 pCi/L 0 Erosion of natural deposits **Inorganic Contaminants** 10. Barium Ν 2015 .033 No Range 2 ppm Discharge of drilling wastes: discharge from metal refineries; erosion of natural deposits 2 13. Chromium Ν 2015 No Range 100 Discharge from steel and pulp ppb mills; erosion of natural deposits 14. Copper Ν 2012/14\* .2 1.3 AL=1.3 Corrosion of household plumbing ppm systems; erosion of natural deposits; leaching from wood preservatives

ppm

ppb

ppm

4

0

10

AL=15

10

Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and

Corrosion of household plumbing

Runoff from fertilizer use; leaching

from septic tanks, sewage; erosion

systems, erosion of natural

aluminum factories

of natural deposits

deposits

### **Disinfection By-Products**

Ν

Ν

Ν

2015

2012/14\*

2015

.154

.13

16. Fluoride

17. Lead

Nitrogen)

19. Nitrate (as

1									
1	Chlorine	N	2015	1.7	1.3 – 2.2	mg/l	0	MRDL = 4	Water additive used to control
1		l							microbes

No Range

No Range

0

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected however the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Town of Artesia works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

<sup>\*</sup> Most recent sample. No sample required for 2015.

RECEIVED-WATER SUPPLY

2016 JUN -8 AM 10: 12

AFFP Water Quality

## **Affidavit of Publication**

STATE OF MISSISSIPPI } SS

Lauren Hardy, being duly sworn, says:

That she is Classifieds Manager of the Commercial Dispatch, a daily newspaper of general circulation, printed and published in Columbus, Lowndes County, Mississippi; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following

May 29, 2016

That said newspaper was regularly issued and circulated on those dates.

SIGNED

Classifieds Manager

Subscribed to and sworn to me this 29th day of May 2016.

Deborah Foster, Notary Public, Lowndes County,

Mississippi

My commission expires: March 31, 2017

00000788 00020207 ---

TOWN OF ARTESIA P.O. BOX 277 ARTESIA, MS 39736



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2015 Annual Drinking Water Quality Report Town of Artista PWS#: 440001 May 2016

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The sources water assembly has been conjected for our public waster system to determine the reversal susceptibility of its crimingly waster; supply of selection of the control of the con

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				TEST RESU	LTS			
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Radioactiv	e Conti	ominant	s	en er er gen kapa er er einemikkelen indisen.			***********	
5 Gross Alpha	- 14	29.2	12	8-17	pCs3	1 9	15	Francis of statural deposits
Inorganie								
10. Barium	Ŋ	2015	033	No Ranga	stm	3	2	Discharge of dilling wastes, discharge from metal refloeries, erosion of natural responses.
13. Caromium	111	2015	2	No Range	000	198	100	Discharge from steel and pulp mile, expriso of natural deposits
14 Ctoper	N	2012/14"	2	S	pom	13	AL=13	Corosion of household plumbing systems, erosion of nebusi- deposits, leaching from word preservoices
16. Fluesife	h	2015	.156	No Range	oom.	£	4	Erosine of natural deposats, with addition which promotes strong seeth; dispharge from finitizer an aluminum factories.
17.1WI		2012/14			200	0	ALPES	Compsion of household promising systems, ensures of natural deposits
19, Nitrote (as Nitrogen)	N	2015	1.13	No Range	pon	10	10	Runc <sup>e</sup> from letilizer use: leachin from septia tarks, sewagh: lense of agazak deposits
Disinfection	n By-Pr	oducis						
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\* Mostercent numble. No sumple reasited for 2015

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